

האגודה
הישראלית
לאנדוקרינולוגיה

IES Israel
Endocrine
Society

Program

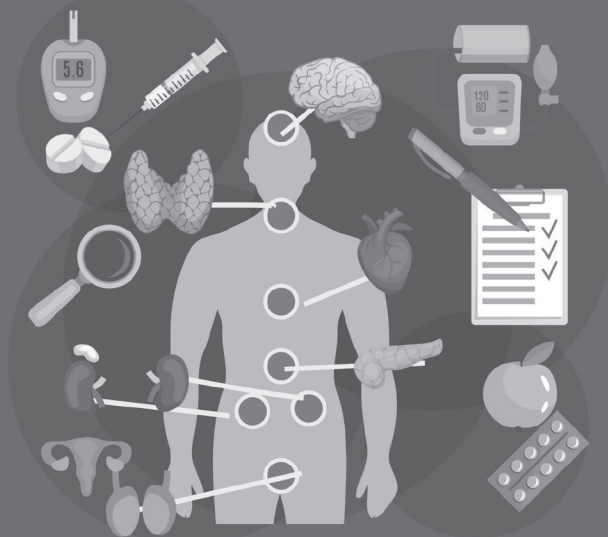
The 46th Annual Meeting of The Israel Endocrine Society

20-21, March, 2017

Kfar Maccabiah Hotel

Ramat-Gan

Organized by:



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Welcome Address

Dear members, colleagues, and friends,

On behalf of the new executive committee of the Israel Endocrine Society, it is our pleasure to welcome you to our 46th annual meeting. After convening for two successive years outside of Tel Aviv (Ashkelon and Jerusalem), we are back in the Tel Aviv area.

This is the first scientific meeting that our new organizing team put together, and we are hopeful it will live to everybody's expectations.

As part of our ongoing efforts to strengthen our ties with the European Society of Endocrinology and its affiliate societies, we will be hosting our first ESE lecture that will be delivered by Renato Pasquali from Italy. This year we are honored by the participation of several guest speakers who came from afar to be with us. We are indebted to John Nestler, Renato Pasquali, Jan-Wilhelm Kornfeld, and Yaron Tomer, who will be taking part in plenary lectures, symposia, and meet-the-professor sessions. We are no less thankful to our many local invited speakers, Sandra Alboim, Gad Asher, Izhar Ben Shlomo, Yuval Dor, Elena Dumin, Tal Imbar, Shalev Itskovitz, Yehonatan Saharabi, Ram Weiss, and Leonid Zeitlin, who didn't travel far but put in the time and effort to contribute to a varied and exciting scientific program. We received an unprecedented number of abstracts, and in addition to slightly enlarged oral presentations sessions, you should be ready for a very intense poster session.

This year, we will feature a "Year in" session that will allow us to get the highlights of notable advances in the fields of adrenal, pituitary and reproduction.

On March 20th, the Israel Endocrine Society will honor Prof. Ytzik Koch, one of the founders and pillars of our society for his long term unconditional contribution and commitment. Please join us for this informal gathering that will take place in the afternoon, just before the MTP sessions.

We would like to take this opportunity to express our gratitude to the many volunteers who helped us with suggestions for sessions, with review of abstracts, and with their willingness to chair sessions. We are certain that our joint efforts together with your attendance will make this meeting a remarkable one.

As always, we are thankful to the Paragon company's efficient staff for their professionalism and seriousness. Likewise, we are indebted to our many sponsors. Finally, we would like to thank each and everyone of you for being involved to help make our most important event of the year a truly outstanding one.

Looking forward to seeing you soon in Kfar HaMaccabiah.

Ruth Shalgi
Chair, Program Committee

On behalf of the IES Executive Committee
Carlos Benbassat, Galia Gat-Yablonski,
Avraham Karasik, Gil Leibovitch,
Rina Meidan, Yoel Toledano, Karen Tordjman

IES Executive Committee

Avraham Karasik, M.D., President

Yoel Toledano, M.D., Secretary

Carlos Benbassat, M.D., Treasurer

Galia Gat-Yablonski, Ph.D.

Gil Leibowitz, M.D.

Rina Meidan, Ph.D.

Ruth Shalgi, Ph.D.

Karen Tordjman, M.D.

The IES Thank our Sponsors and Exhibitors:

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General Information

Venue

Kfar Maccabiah Hotel
7 Bernstein St., Ramat-Gan

Dates

20-21 March, 2017

Registration Desk Hours

Monday March 20, 2017 07:30-16:30

Tuesday, March 21, 2017 07:30-16:30

Participants Name Badge

Upon registration you will receive the Meeting program, vouchers, and your name badge. You are requested to wear your name badge to all meeting functions and throughout the sessions.

Exhibition

A professional exhibition will take place during the meeting dates.

Abstracts

The IES respects the Environment. The IES 2017 Annual Meeting Abstracts are available on the IES website. Scan the code beside to view and download the abstracts and program.



Posters

The posters will be displayed at Hall D on Tuesday, March 21, 2017 from 07:30-17:30.

Oral Presentations

All oral presenters are requested to upload their presentation in their designated lecture hall at least 30 minutes prior to the beginning of the session, during meeting breaks.



ISRAEL ENDOCRINE SOCIETY

Website: <http://www.ies.org.il>



Meeting Secretariat

Paragon Israel | 15 Aba Even st., Herzeliya 4676652, Israel
Tel/Fax: 972-3-5767716 | Email: torkabi@paragong.com

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Conference Time Table

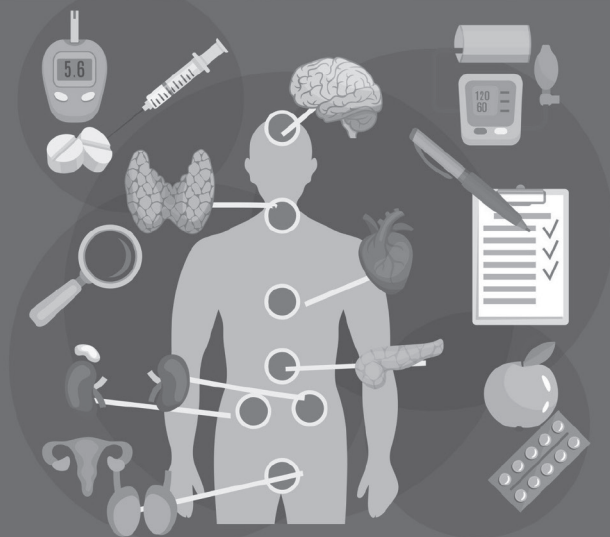
**The 46th Annual Meeting
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Program at a Glance

Monday, March 20, 2017		
07:30-08:30	Registration, Gathering & Exhibition Visit	
08:30-10:00	Oral Presentations: 3 parallel sessions Reproduction Hall A Bone Hall B Diabetes (Basic) Hall C	
10:00-10:15	Coffee Break and Exhibition Visit	
10:15-10:30	Opening Session Hall A	
10:30-11:20	Plenary lecture 1: <u>John E Nestler</u> , Department of Internal Medicine, Virginia Commonwealth University, Richmond, VA USA Chair: Yossi Orly "Polycystic Ovary Syndrome and Risks for Diabetes and Cardiovascular Disease: Therapeutic Implications" Hall A	
Parallel Symposia		
11:20-12:50	The ESE lecture Hall A Chair: Daniela Jakubowicz	Symposium 2: Obesity and Metabolism Hall B Chairs: Eddy Karnielli; Amir Tirosch
	Renato Pasquali - Laboratory Definition of Hyperandrogenism, and its Pathogenesis. <i>University Alma Mater Studiorum of Bologna, Italy.</i>	Gad Asher - Circadian Clock Control of Metabolism <i>Department of Biomolecular Sciences, Weizmann Institute of Science</i>
	Symposium 1: PCOS Chairs: Karen Tordjman; Daniela Jakubowicz	Ram Weiss - The Impact of Bariatric Surgery on Beta cell Function Hadassah Medical Center, Hebrew University, Jerusalem
	Izhar Ben-Shlomo - The Impact of Carbohydrate-Poor Diet on Gut Microbiome of Women with PCOS. <i>Baruch Padeh Medical Center, Poriya & Faculty of Medicine in the Galilee, Bar Ilan University</i>	Gabriella Liberman Segal - Role of Gut Hormone in Obesity Therapy <i>Institute of Endocrinology; Sheba Medical Center</i>
	Rina Meidan -Distinct Hypoxic Responses in PCOS-Derived Granulosa Cell <i>The Hebrew University</i>	Talia Diker-Cohen - Leptin and Lipodystrophy <i>Institute of Endocrinology and Metabolism Rabin Medical Center, Campus Beilinson</i>

12:50-13:50	Lunch Break and Exhibition Visit		
13:50-14:40	Plenary lecture 2: Jan-Wilhelm Kornfeld , Max Planck Institute for Metabolism Research, Cologne, Germany. Chair: Galia Gat-Yablonski "DeCoding Obesity - Control of Metabolism by the Noncoding Genome"		Hall A
Parallel Symposia			
14:40-16:10	Symposium 3: Transitional Endocrinology "Tips from the pediatric to the adult endocrinologist" Chairs: Nehama Zuckerman-Levin, Liat de Vries	Hall A	Symposium 4: Current topics in the Endocrine Labs - What Clinicians should know Chairs: Naftali Stern; Yulia Schneider
	Yardena Tenenbaum - Combined Pituitary Hormone Deficiency (CPHD): Significant Issues from Infancy to Adulthood <i>Head, Pediatric Endocrine Unit; Ha'Emek Medical Center, Afula</i>		Yehonatan Sharabi -Diagnosis and Evaluation of the Hypertensive Patient and the Use of Aldosterone/Direct renin Concentration Ratio <i>Hypertension Unit, Sheba Medical Center</i>
	Leonid Zeitlin - Osteoporosis and related diseases in children <i>Department of Pediatrics; Dana-Duek Children's Hospital</i>		Elena Dumin - Mass spectrometry-Based Metabolomics: Application to Adrenal Diseases <i>Clinical Biochemistry Laboratory Rambam Medical Center</i>
	Mariana Rachmiel -Disorders of Gonadal Differentiation <i>Head, Pediatric Endocrine Unit; Assaf Harofeh Medical Center</i>		Sandra Alboim -National Project to Determine 11-Deoxycortisol Reference Range in the Israeli Population <i>Central Laboratory Maccabi Healthcare Services</i>
			Hannah Kanety - Biotin Treatment Cause Misleading Hormones Results <i>Institute of Endocrinology, Sheba Medical Center</i>
16:10-16:40	Ceremony in Honor of Prof. Y. Koch		Hall C
16:30 - 17:30	MTP 1 - PCOS John E Nestler and Renato Pasquali PCOS-Tips for the Endocrinologist	Hall A	MTP 2 Yaron Tomer - Autoimmune Thyroid Diseases in Pregnancy

Tuesday, March 21, 2017		
07:30-08:15	Registration, Gathering & Exhibition Visit	
08:15-10:00	Oral Presentations: 3 parallel sessions Diabetes and Metabolism (clinical) Thyroid Hormones & Cancer	Hall A Hall B Hall C
10:00-10:15	Coffee Break and Exhibition Visit	
10:15-11:00	Posters	Hall D
11:00-12:30	General Assembly and Prizes session Chair – Avraham Karasik Lindner Prize Lecture (25 min) Chowers Prize Lecture (15 min) Prizes for Best Clinical/Basic Abstracts (10 min) IES Members Assembly Meeting VAAD report (20 min) Accountant Report (10 min)	Hall A
12:30-13:30	Lunch Break and Exhibition Visit	
13:30-14:20	Plenary lecture 3: Yaron Tomer , Chair, Department of Medicine, Albert Einstein College of Medicine Chair: Carlos Benbassat "Autoimmune thyroid diseases: from gene mapping to novel drug targets"	Hall A
14:20-15:50	Parallel Symposia	
	Symposium 5: The Year in Endocrinology Chairs: Ben Glaser, Yona Greenman	Hall A Symposium 6: Cellular Heterogeneity Chairs: Yehiel Zick; Gil Leibowitz
	Tal Imbar - The year in reproduction <i>IVF Unit, Human Placenta Research Center; Dept. of Obstetrics & Gynecology; Hadassah-Hebrew University Medical Center</i>	Assaf Rudich - Heterogeneity of adipose tissues and cells - a basis for subphenotyping obesity <i>Department of Clinical Biochemistry, Faculty of Health Sciences, Ben Gurion University</i>
	Ilan Shimon - The year in pituitary. <i>Institute of Endocrinology and Metabolism Rabin Medical Center, Campus Beilinson</i>	Shalev Itskovitz - Cellular heterogeneity in the liver: from single RNA molecule organization to organ function. <i>Department of Molecular Cell Biology, Weizmann Institute of Science</i>

	Merav Fraenkel - The year in adrenal. <i>Endocrine Unit Soroka Medical Center</i>	Yuval Dor - Plasticity of the endocrine pancreas in diabetes. <i>Department of Developmental Biology and Cancer Research; The Hebrew University-Hadassah Med School</i>
15:50-16:05	Coffee Break	
16:05 -17:30	MTP1	MTP2
Parallel MTP	Zeev Hochberg Hall A Short stature. Does changing height matter?	Pnina Rotman and Iris Vered Hall B Fragile and challenging cases in the bone metabolism clinic

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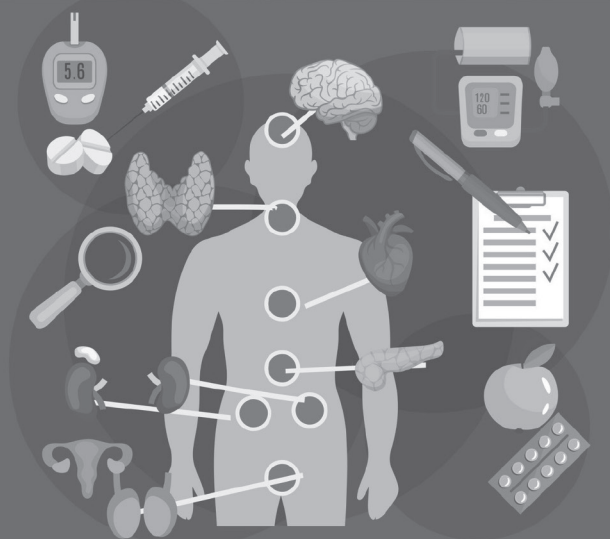
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07:30-08:30 Registration, Gathering & Exhibition Visit

08:30-10:00 Parallel Sessions

08:30-10:00 Oral Presentations: Reproduction **Hall A**
Chairs: **Nava Dekel, Talia Eldar-Geva**

- 08:30 The Role of Hyaluronan during Blastocyst Attachment in Mice Elected as Best Basic Abstract**
Ron Hadas¹, Eran Gershon³, Michal Elbaz³, Shifra Ben-Dor², Nava Dekel¹, Michal Neeman¹
¹*Biological Regulation, The Weizmann Institute of Science, Rehovot*
²*Life Sciences Core Facilities, The Weizmann Institute of Science, Rehovot*
³*Animal Science, Agricultural Research Organization, Rishon LeZion*
- 08:43 Vasorin is A Newly Identified Regulator of Ovarian Folliculogenesis and Ovulation**
Nitzan Rimon, Lia Heinemann-Yerushalmi, Ron Hadas, Lital Kalich-Philosoph, Dalia Galiani, Nava Dekel
Department of Biological Regulation, Weizmann Institute of Science, Rehovot
- 08:56 The Role of Pigment Epithelium-Derived Factor (PEDF) in the Pathogenesis of PCOS**
Irit Miller¹, Dana Chuderland¹, Raphael Ron-El², Ido Ben-Ami², Ruth Shalgi¹
¹*Department of Cell and Developmental Biology, Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv*
²*IVF and Infertility Unit, Department of Obstetrics and Gynecology, Assaf Harofeh Medical Center, Zerifin*
- 09:09 PKA and EPAC Signaling Mediate Prostaglandin E2/EP2 Receptor-Induced Epiregulin and FGF2 in Granulosa Cells**
Ketan Shrestha, Rina Meidan
Department of Animal Sciences, The Robert H. Smith Faculty of Agriculture, Food and Environment. Hebrew University of Jerusalem, Rehovot
- 09:22 Normal Androgens Levels During Singleton Pregnancy in Healthy Women**
Anat Segev-Becker¹, Nili Yanai-Milshtein¹, Anita Schachter-Davidov^{1,2}, Gabi Shefer^{2,3}, Naftali Stern^{2,3}, Galit Israeli¹, Naomi Weintrob^{1,2}
¹*Pediatric Endocrinology and Diabetes, Dana Dwek children's hospital, Tel Aviv*
²*Sackler school of medicine, Tel-Aviv University, Tel Aviv*
³*Institute of Endocrinology, Metabolism and Hypertension, Tel-Aviv Souraski Medical Center, Tel Aviv*

09:35 **Anti-Mullerian Hormone Serum Levels Remain Stable under Cross-Sex Hormone Therapy of Transgender Men**
Iris Yaish¹, Iris Yaish¹, Gustavo Melinger², Yael Sofer¹, Nechama Golani¹, Marianna Yaron¹, Dana Zaid¹, Foad Azem², Naftali Stern¹, Yona Greenman¹
¹*Endocrinology, Metabolism and Hypertension, Tel Aviv-Sourasky Medical Center, Tel Aviv*
²*Lis Maternity Hospital, Tel Aviv-Sourasky Medical Center, Tel Aviv*

08:30-10:00 **Oral Presentations: Diabetes and Metabolism (Basic)** **Hall B**
Chairs: **Hannah Kanety, Michael Walker**

08:30 **Connexin 43 Mediated Gap Junction Intercellular Communication Promotes the Propagation of Hepatic ER Stress in Obesity**
Amir Tirosh^{1,2,3,4}, Guroi Tuncman¹, Ediz Calay¹, Yankun G Lee¹, Ana Paula Arruda¹, Abdullah Yalcin¹, Gokhan Hotamisligil¹
¹*Department of Genetics and Complex Diseases, Sabri Ülker Center, Harvard T.H. Chan of Public Health, Boston, USA*
²*Division of Endocrinology, Diabetes and Hypertension, Brigham and Women's Hospital and Harvard Medical School, Boston, USA*
³*The Institute of Endocrinology, The Dalia and David Arabov Endocrinology and Diabetes Research Center, Tel Hashomer*
⁴*Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv*

08:43 **Endoplasmic Reticulum (ER) Stress Induces Diabetes By Impairing Postnatal β -cell Proliferation and Function**
Yael Riahi, Shoshana Jimenez, Nava Polin, Ido Alter, Erol Cerasi, Gil Leibowitz
Department of Endocrinology and Metabolism, The Hebrew University-Hadassah Medical School, Jerusalem

08:56 **CB1 Receptor Mediates Renal Lipotoxicity via AMPK Signaling**
Shiran Udi¹, Liad Hinden¹, Brian Earley², Adi Drori¹, Rivka Hadar¹, Joseph Tam¹
¹*Pharmacology, Obesity and Metabolism Laboratory, Institute for Drug Research, School of Pharmacy, Faculty of Medicine, The Hebrew University of Jerusalem, Jerusalem*
²*Physiology, Laboratory of Physiological Studies, National Institute on Alcohol Abuse & Alcoholism, Bethesda*

- 09:09 **The Effect of Vitamin D on Platelet Function in Diabetic Patients with or without Aspirin Treatment**
Maya Sultan¹, Orit Twito², Erez Ramati³, Gloria Rashid¹
¹The Clinical Laboratories, Meir Medical Center, Kfar Saba
²Endocrinology, Diabetes and Metabolism Institute, Meir Medical Center, Kfar Saba
³Internal Medicine ward I, Sheba Medical Center, Tel Hashomer, Ramat Gan
- 09:22 **A Genetic Defect of the Mitochondrial Energy Supply: Characterization of a Novel NDUFAF5 Mutation**
Sarah Zangen¹, Aviram Kogot-Levin¹, Ann Saada², Itamar Raz¹
¹Diabetes Unit, Hadassah University hospital, Jerusalem
²Monique and Jaques Roboh Department of Genetic Research and The Department of Genetic and Metabolic, Hadassah University hospital, Jerusalem
- 09:35 **Quantitative Proteomics of Rat Livers Shows That Unrestricted Feeding Is Stressful For Proteostasis with Implications on Life Span**
Galia Gat-Yablonski^{1,2,3}, Andrija Finka⁴, Galit Pinto^{1,3}, Manfredo Quadroni⁵, Biana Shtai^{2,3}, Pierre Goloubinoff⁴
¹Institute for Endocrinology and Diabetes, Schneider Children's Medical Center of Israel, Petach Tikva
²Molecular Endocrinology Lab, Felsenstein Medical Research Center, Petach Tikva
³Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv
⁴Department of plant molecular biology, Faculty of Biology and Medicine, Lausanne University, Lausanne, Switzerland
⁵Protein Analysis facility, University of Lausanne, Lausanne, Switzerland

08:30-10:00 **Oral Presentations: Bone** **Hall C**
 Chairs: **Iris Vered, Rivka Pollak**

- 08:30 **Application of FRAX-Based Osteoporosis Intervention: Impact on Public Health Using Real-World Data**
Inbal Goldshtein^{1,2}, Moshe Leshno¹
¹Tel Aviv University, Faculty of management
²Maccabi Healthcare Services, Research Institute

- 08:43 **Fragility Fractures in Patients Admitted to Assaf Harofeh Medical Center: Clinical Characteristics and Pre-Fracture Risk Assessment**
Dror Cantrell^{1,3}, Eshter kumar^{1,3}, Shlomit Koren^{1,3}, Jonathan Persitz², Yigal Mirovsky^{2,3}, Carlos A. Benbassat^{1,3}
¹Endocrine Institute, Assaf Harofeh Medical Center
²Orthopedics Department, Assaf Harofeh Medical Center
³Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv

- 08:56 **Atypical Femoral Fractures Among Patients from the Soroka Fracture Liaison Service**
Uri Yoel^{1,8}, Dayana Cohen^{1,8}, Viktoria Makarov^{2,8}, Vitaly Medvedovsky^{1,8}, Lior Baraf^{1,8}, Tamar Eshkoli^{1,8}, Vera Polischuk^{3,8}, Poliana Shamgar⁴, Michal Lamberger⁴, Avital Blum^{4,8}, Orly Weinstein^{5,8}, Dvora Lieberman^{6,8}, Victor Novack^{4,8}, Ethel Siris⁷, Merav Fraenkel^{1,8}
¹Soroka University Medical Center, Unit of endocrinology, Beer Sheva
²Soroka University Medical Center, Diagnostic Imaging Institute, Beer Sheva
³Soroka University Medical Center, Division of Internal Medicine, Beer Sheva
⁴Soroka University Medical Center, Clinical Research Center, Beer Sheva
⁵Soroka University Medical Center, Soroka Management, Beer Sheva
⁶Soroka University Medical Center, Geriatrics, Beer Sheva
⁷Columbia University Medical Center, Division of Endocrinology, USA
⁸Ben-Gurion University of the Negev, Faculty of Health Sciences, Beer Sheva
- 09:09 **Long-Term Follow-Up of 10 Patients with Pseudohypoparathyroidism (PHP)**
Hanna Ludar^{1,2}, Giovanna Mantovani³, Osnat Admoni¹, Ghadir Elias¹, Shira London¹, Hussein Majdoub⁴, Yardena Tenenbaum-Rakover^{1,5}
¹Pediatric Endocrine Institute, Ha'Emek Medical Center, Afula
²pediatric discipline, Clalit Health Services
³Endocrinology and Diabetology Unit, Department of Medical Sciences, University degli Studi di Milano, Milan, Italy
⁴Pediatric Endocrinology, Zvulon Health Services
⁵Rapaport Faculty of Medicine, Technion, Haifa
- 09:22 **Preliminary Experience with Trabecular Bone Score (TBS) Assessment in Israel**
Liana Tripto Shkolnik, Amir Tirosh, Iris Vered
 Institute of Endocrinology, Chaim Sheba Medical Center, Tel-Hashomer
- 09:35 **Alendronate Reduces the Risk of Bone Metastases in Osteoporotic Women with Early Breast Cancer**
Vanessa Rouach
 Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv-Sourasky Medical Center

10:00-10:15	Coffee Break, Refreshments and Exhibition Visit	
10:15-10:30	Opening Session	Hall A
10:30-11:20	Plenary Lecture 1 Chair: Yossi Orly	Hall A
	Polycystic Ovary Syndrome and Risks for Diabetes and Cardiovascular Disease: Therapeutic Implications <u>John E Nestler</u> <i>Department of Internal Medicine, Virginia Commonwealth University, Richmond, VA USA</i>	
11:20-12:10	Parallel Sessions	
11:20-12:10	The ESE lecture Chair: Daniela Jakubowicz	Hall A
	Laboratory definition of Hyperandrogenism, and its Pathogenesis <u>Renato Pasquali</u> <i>University Alma Mater Studiorum of Bologna, Italy</i>	
12:10-12:50	Symposium 1: PCOS Chairs: Karen Tordjman, Daniela Jakubowicz	Hall A
12:10	The Impact of Carbohydrate-Poor Diet on Gut Microbiome of Women with PCOS <u>Izhar Ben-Shlomo</u> <i>Baruch Padeh Medical Center, Poriya & Faculty of Medicine in the Galilee, Bar Ilan University</i>	
12:35	Distinct Hypoxic Responses in PCOS-Derived Granulosa Cell <u>Rina Meidan</u> <i>The Hebrew University</i>	
11:20-12:50	Symposium 2: Obesity and Metabolism Chairs: Chairs: Eddy Karnielli, Amir Tirosh	Hall B
11:20	Circadian Clock Control of Metabolism <u>Gad Asher</u> <i>Department of Biomolecular Sciences, Weizmann Institute of Science</i>	
11:45	The Impact of Bariatric Surgery on Beta Cell Function <u>Ram Weiss</u> <i>Hadassah Medical Center, Hebrew University, Jerusalem</i>	

12:10	Role of Gut Hormone in Obesity Therapy <u>Gabriella Liberman Segal</u> <i>Institute of Endocrinology, Sheba Medical Center</i>	
12:35	Leptin and Lipodystrophy <u>Talia Diker-Cohen</u> <i>Institute of Endocrinology and Metabolism Rabin Medical Center, Campus Beilinson</i>	
12:50-13:50	Lunch Break and Exhibition Visit	Dining Room
13:50-14:40	Plenary Lecture 2 Chair: Galia Gat-Yablonski	Hall A
	DeCoding Obesity - Control of Metabolism by the Noncoding Genome <u>Jan-Wilhelm Kornfeld</u> <i>Max Planck Institute for Metabolism Research, Cologne, Germany</i>	
14:40-16:10	Parallel Symposia	
14:40-16:10	Symposium 3: Transitional Endocrinology "Tip from the Pediatric to the Adult Endocrinologist" Chairs: Nehama Zuckerman-Levin, Liat de Vries	Hall A
14:40	Combined Pituitary Hormone Deficiency (CPHD): Significant Issues from Infancy to Adulthood <u>Yardena Tenenbaum</u> <i>Head, Pediatric Endocrine Unit; Ha'Emek Medical Center, Afula</i>	
15:10	Osteoporosis and Related Diseases in Children <u>Leonid Zeitlin</u> <i>Department of Pediatrics; Dana-Duek Children's Hospital</i>	
15:40	Disorders of gonadal differentiation <u>Mariana Rachmiel</u> <i>Head, Pediatric Endocrine Unit; Assaf Harofeh Medical Center</i>	
14:40-16:10	Symposium 4: Current Topics in the Endocrine Labs – What Clinicians Should Know Chairs: Naftali Stern, Yulia Schneider	Hall B
14:40	Diagnosis and Evaluation of the Hypertensive Patient and the Use of Aldosterone/Direct Renin Concentration Ratio <u>Yehonatan Sharabi</u> <i>Hypertension Unit, Sheba Medical Center</i>	

- 15:05 **Mass Spectrometry- Based Metabolomics: Application to Adrenal Diseases and More**
Elena Dumin
Clinical Biochemistry Laboratory, Rambam Medical Center
- 15:30 **National Project to Determine 11-Deoxycortisol Reference Range in the Israeli Population**
Sandra Alboim
Central Laboratory Maccabi Healthcare Services
- 15:55 **Biotin Treatment Cause Misleading Hormones Results**
Hannah Kanety
Institute of Endocrinology, Sheba Medical Center

16:10-16:40 Ceremony in Honor of Prof. Y. Koch Hall C

16:30-17:30 Meet the Professor 1 Hall A

PCOS - Tips for Endocrinologist
John E Nestler and Renato Pasquali

16:30-17:30 Meet the Professor 2 Hall B

Autoimmune Thyroid Diseases in Pregnancy
Yaron Tomer

07:30-08:15 Registration and Gathering

08:15-10:00 Parallel Sessions

08:15-10:00 Oral Presentations: Diabetes and Metabolism (Clinic) Hall A
Chairs: **Anat Tsur, Joelle Singer**

08:15 **Influence of Meal Timing on Clock Gene and Ampk mRNA Expression and Glucose, Insulin and Intact GLP-1 Response after Lunch in Type 2 Diabetes**

Elected as Best Clinical Abstract

Daniela Jakubowicz¹, Zohar Landau¹, Julio Wainstein¹, Itamar Raz², Bo Ahren³, Nava Chapnik⁴, Tali Ganz¹, Miriam Menaged¹, Maayan Barnea⁵, Yosefa Bar-Dayan¹, Oren Froy⁴

¹Diabetes Unit, Wolfson Medical Center, Tel Aviv University; ²Diabetes Unit, Hadassah University Hospital, Ein Kerem, Jerusalem; ³Department of Clinical Sciences, Lund University, Sweden, Lund, Sweden ⁴The Hebrew University of Jerusalem, Institute of Biochemistry, Food Science and Nutrition, The Robert H. Smith Faculty of Agriculture, Food and Environment, Rehovot

⁵Department of Molecular Genetics, Weizmann Institute of Science

08:28 **Increased Mortality in Diabetes Patients with Intensive Glycemic Control is Found Only in Patients with Haptoglobin Type 2-2 – Paradigm Shift Towards Genetically- Determined Personalized Glycemic Targets**

Irit Hochberg¹, Chen Shapira^{2,3}, Uzi Milman^{2,3}

¹Institute of Endocrinology, Diabetes and Metabolism, Rambam Health Care Campus, Haifa; ²Haifa and Western Galilee District, Clalit Health Services; ³Bruce Rappaport Faculty of Medicine, Technion, Israel Institute of Technology

08:41 **Therapeutic Response to Metreleptin in Childhood Onset Lipodystrophy: Experience of an Israeli Pediatric Diabetes Center**

Naama Fisch Shvalb¹, Shlomit Shalitin^{1,2}, Raanan Shamir^{2,3}, Yoram Bujanover^{2,4}, Yael Lebenthal^{1,2,5}

¹The Jesse Z. and Sara Lea Shafer Institute for Endocrinology and Diabetes, National Center for Childhood Diabetes, Schneider Children's Medical Center of Israel, Petah Tikva; ²Sackler Faculty of Medicine, Tel Aviv University; ³Institute of Gastroenterology, Nutrition and Liver Diseases; Schneider Children's Medical Center of Israel, Petah Tikva ; ⁴Gastroenterology Department, Sheba Medical Center, Tel Hashomer; ⁵Pediatric Endocrinology and Diabetes Unit, Dana-Dwek Children's Hospital, Tel-Aviv Sourasky Medical Center, Tel Aviv

08:54

Semaphorin 3E, a Novel Adipokine with Pro Inflammatory and Insulin Resistance Properties, is Positively Correlated with Insulin Resistance in Human Pregnancy

Rina Hemi¹, Benny Brandt², Mariam Iskilova¹, Roni Zemel², Shali Mazaki-Tovi^{2,3}, [Hannah Kanety](#)¹

¹*Institute of Endocrinology, Sheba Medical Center, Israel*

²*Department of Obstetrics and Gynecology, Sheba Medical Center, Israel*

³*Sackler School of Medicine, Tel Aviv University, Israel*

09:07

Wolfram Syndrome Type 2 : New Insights into the Pathophysiology and Promising Therapy Options

[Ulla Najwa Abdulhag](#)¹, Rahel Nechushtai⁵, Abdelsalam Abulibdeh¹, Maha Abdelhadi Atwan¹, Gil Leibowitz², Adi Aurbach¹, Eran Lavi¹, Muntasser Abbasi³, Michael Wilchansky³, Ola Karmi⁵, Y.S Sohn⁵, Ariella Weinberg-Shukron⁴, Ephrat Levy-Lahad⁴, David Zangen¹

¹*pediatric endocrinology unit, ²Adult endocrinology division, Hadassah Hebrew University Medical center, Jerusalem;* ³*Pediatric Gastroenterology unit, Hadassah Hebrew university Medical Center, Jerusalem;* ⁴*Medical genetics institute, Shaare Zedek Medical Center, Jerusalem;* ⁵*Faculty of science, Hebrew University, Jerusalem*

09:20

The Adipokine FABP4 as a Regulator of Neonatal Glucose Homeostasis

[Idit Ron](#)¹, Reut Kassif Lerner², Moran Rathaus¹, Tsipora Strauss³, Itai Pessach⁴, Keren Ofir⁵, Amir Tirosh^{1,6}

¹*The Institute of Endocrinology, Sheba Medical Center, The Dalia and David Arabov Endocrinology and Diabetes Research Center, Tel-Hashomer;*

²*Department of Pediatrics, The Edmond and Lily Safra Children's Hospital, Sheba Medical Center;* ³*Department of Neonatology, The Edmond and Lily Safra Children's Hospital, Sheba Medical Center;* ⁴*Department of Pediatric Intensive Care, The Edmond and Lily Safra Children's Hospital, Sheba Medical Center;* ⁵*Department of Obstetrics and Gynecology, Sheba Medical Center, Tel-Hashomer;* ⁶*Sackler Faculty of Medicine, Tel-Aviv University, Ramat-Aviv*

08:15-10:00	Oral Presentations: Thyroid Chairs: Eyal Robenshtok, Elena Izkhakov	Hall B
08:15	<p>Natural History of Contralateral Nodules after Lobectomy in Patients with Papillary Thyroid Carcinoma Amit Ritter^{2,4}, Gideon Bachar^{2,4}, Dania Hirsch^{1,4}, Carlos Benbassat^{3,4}, Orna Katz^{2,4}, Nadav Kochen^{2,4}, <u>Eyal Robenshtok</u>^{1,4} ¹<i>Endocrinology & Metabolism Institute, Rabin Medical Center, Beilinson Hospital</i> ²<i>Department of Otorhinolaryngology and Head and Neck Surgery, Rabin Medical Center, Beilinson Hospital</i> ³<i>Endocrine Institute, Assaf Harofeh Medical Center</i> ⁴<i>Sackler Faculty of Medicine, Tel-Aviv University</i></p>	
08:28	<p>Iodine Insufficiency is Prevalent in Israel: Findings of a National Survey of School Age Children and Pregnant Women in the Maccabi Healthcare Services Yaniv Ovadia^{1,2}, Varda Nadler³, Hadassa Brik³, Tamar Wolf³, Michael Zimmermann⁴, Sandra Weibel⁴, Dov Gefel², <u>Jonathan Arbel</u>^{5,6}, Aron Troen¹ ¹<i>Nutrition and Brain Health Laboratory, Institute of Biochemistry, Food Sciences, and Nutrition; Robert H Smith Faculty of Agriculture, Food and Environment, Hebrew University of Jerusalem, Rehovot, Israel</i> ²<i>Department of Internal Medicine "C", Barzilai Medical University Center, Ashkelon</i> ³<i>Central Laboratory, Maccabi Healthcare Services, Rehovot</i> ⁴<i>Human Nutrition Laboratory, Department of Health Sciences and Technology, Swiss Federal Institute of Technology (ETH), Zurich, Switzerland</i> ⁵<i>Southern Region, Maccabi Healthcare Services, Omer</i> ⁶<i>Goldman School of Medicine, Ben Gurion University of the Negev, Beer Sheva</i></p>	
08:41	<p>Long-Term Atherosclerotic Cardiovascular and Cerebrovascular Morbidity in Thyroid Carcinoma Patients: A Retrospective Cohort Study <u>Elena Izkhakov</u>^{1,2,3}, Lital Keinan-Boker^{3,4}, Micha Barchana³, Naftali Stern^{1,2}, Joseph Meyerovitch^{2,5,6} ¹<i>Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv Sourasky Medical Center, Tel Aviv</i> ²<i>Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv</i> ³<i>School of Public Health, Faculty of Social Welfare and Health Sciences, University of Haifa, Haifa,</i> ⁴<i>National Cancer Registry, Israel Center for Disease Control, Ministry of Health, Israel, Ramat Gan</i> ⁵<i>Community Division, Clalit Health Services, Tel Aviv</i> ⁶<i>The Jesse Z and Sara Lea Shafer Institute for Endocrinology and Diabetes, National Center for Childhood Diabetes, Schneider Children's Medical Center of Israel, Petah Tikva</i></p>	

08:54

The Assaf Harofeh Medical Center Thyroid Cancer Registry: Clinico-Pathological Characteristics and Disease Outcome in 441 patients with Non-Medullary Thyroid Cancer

Miriam Steinschneider^{1,3}, Shlomit Koren^{1,3}, Karen Or¹, Esther Kummer¹, Carlos Benbassat^{1,3}, Limor Muallem Kalmovich^{2,3}

¹Endocrine Institute, Assaf Harofeh Medical Center, Zerifin

²ENT Department, Assaf Harofeh Medical Center, Zerifin

³Sackler School of Medicine, Tel Aviv University, Zerifin

09:07

Hypothyroidism in Pregnancy is Associated with Twin Pregnancies and with Adverse Obstetric Outcome: Analysis of 142,277 Deliveries Data from a Single Center

Orit Barenholz-G^{1,2,4}, Rivka Farkash^{1,4}, Arnon Samueloff^{1,4}, Gavriel Munter^{2,3,4}

¹Obstetrics and Gynecology, Shaare Zedek Medical Center

²Endocrinology, Shaare Zedek Medical Center

³Internal medicine C, Shaare Zedek Medical Center

⁴Medical School, Hebrew University, Jerusalem

09:20

Risk factors for the Development of Delayed TSH Elevation in Neonatal Intensive Care Unit (NICU) Newborns: Case Control Study

Amnon Zung¹, Rachel Bier Palmon², Agnetta Golan³, Mara Troitzky⁴, Smadar Eventov-Friedman⁵, Ronella Marom⁶, Rimona Keidar⁷, Neri Kats⁸, Shlomo Almashanu⁹, Orna Flidel-Rimon¹⁰

¹Pediatric Endocrinology Unit, Kaplan Medical Center and The Hebrew University of Jerusalem, Rehovot, Israel

²Division of Pediatrics, Kaplan Medical Center, Rehovot

³Neonatal Department, Soroka University Medical Center, Ben Gurion University of the Negev, Beer Sheva

⁴Neonatal Intensive Care Unit, The Barzilai Medical Center, affiliated with the Faculty of Health Sciences, Ben Gurion University of the Negev, Ashkelon

⁵Neonatology Unit, Hadassah Ein Kerem Hospital, Hadassah – Hebrew University Medical Center, Jerusalem

⁶Neonatology, Tel Aviv Medical Center, Tel Aviv University, Sackler faculty, Tel Aviv

⁷Neonatal Intensive Care Unit, Assaf Harofe Medical Center, Zerifin

⁸Neonatal Intensive Care Unit, Wolfson Medical Center, Holon

⁹National Newborn Screening Program, Ministry of Health, Public Health Services, Tel hashomer

¹⁰Neonatology Unit, Kaplan Medical Center & the Hebrew University of Jerusalem, Rehovot

09:33

Trends in the Clinicopathological Features and Clinical Outcomes of Medullary Thyroid Carcinoma – An Israeli Multicenter Study

Dania Hirsch^{1,8}, Orit Twito^{2,8}, Sigal Levy³, Gideon Bachar^{4,8}, Eyal Robenshtok^{1,8}, David J. Gross⁵, Haggi Maze⁶, Carlos Benbassat^{7,8}, Simona Grozinsky-Glasberg⁵

¹*Institute of Endocrinology, Rabin Medical Center, Petach Tikva*

²*Institute of Endocrinology, Meir Medical Center, Kfar Saba*

³*Sackler Faculty of Exact Sciences, Tel-Aviv University*

⁴*Department of Otorhinolaryngology, Rabin Medical Center, Petach Tikva*

⁵*Neuroendocrine Tumor Unit, Endocrinology & Metabolism Service, Department of Medicine Hadassah-Hebrew University Medical Center, Jerusalem*

⁶*Department of Surgery, Hadassah-Hebrew University Medical Center, Jerusalem, Jerusalem*

⁷*Institute of Endocrinology, Assaf Harofeh Medical Center, Zerifin*

⁸*Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv*

08:15-10:00

Oral Presentations: Hormones & Cancer

Hall C

Chairs: **Hadara Rubinfeld, Ety Osher**

08:15

Sex Differences in the Impact of Thinness, Overweight, Obesity and Parental Height on Adolescent Height

Orit Pinhas-Hamiel^{1,2}, Brian Reichman^{1,3}, Avi Shina^{1,5}, Estela Derazne^{1,4}, Dorit Tzur⁴, Dror Yifrach⁴, Itay Wiser^{1,6}, Arnon Afek^{1,7}, Ari Shamis^{1,8}, Amir Tirosh^{1,9,10}, Gilad Twig^{1,4,10,11}

¹*Sackler School of Medicine, Tel-Aviv University, Tel-Aviv*

²*Pediatric Endocrine and Diabetes Unit, Edmond and Lily Safra Children's Hospital, Sheba Medical Center, Ramat-Gan*

³*The Women and Children's Health Research Unit, Gertner Institute, Tel Hashomer, Ramat-Gan,*

⁴*Medical Corps, The Israel Defense Forces*

⁵*Department of Obstetrics & Gynecology, Sheba Medical Center, Tel Hashomer, Ramat-Gan*

⁶*Department of Plastic and Reconstructive Surgery, Assaf Harofeh Medical Center, Tzrifin*

⁷*MOH, Israel Ministry of Health, Jerusalem*

⁸*Central Management, Sheba Medical Center, Tel Hashomer, Ramat-Gan, Israel*

⁹*The Center for Endocrinology, Diabetes and Metabolism, Sheba Medical Center, Tel-Hashomer, Ramat-Gan*

¹⁰*The Dr. Pinchas Bornstein Talpiot Medical Leadership Program, Sheba Medical Center, Ramat-Gan*

¹¹*Department of Medicine B, Sheba Medical Center, Tel-Hashomer, Ramat-Gan*

- 08:28 **Peptide Receptor Radionuclide Therapy (PRRT) Efficacy in the Treatment of Functional and Metastatic Pheochromocytoma (PCC) and Paraganglioma (PGL)**
Simona Grozinsky-Glasberg¹, Grace Kong², Jason Callahan², Michael S. Hofman², Amichay Meirovitz³, Ofra Maimon³, David A. Pattison², David J. Gross¹, Rodney J. Hicks²
¹*Neuroendocrine Tumour Unit, Endocrinology and Metabolism Service, Hadassah-Hebrew University Medical Centre, Jerusalem, Israel*
²*Centre for Cancer Imaging, Peter MacCallum Cancer Centre, Melbourne, Australia*
³*Oncology Department and Radiation Therapy Unit, Hadassah-Hebrew University Medical Center, Jerusalem*
- 08:41 **The Effect of the Autophagy Inhibitor Chloroquine (CQ), Alone or in Combination with mTOR Inhibitors, on Neuroendocrine Tumor (NET) Growth & Metastatic Spread in Mouse Models**
Shani Avniel-Polak, Gil Leibowitz, David J. Gross, Simona Grozinsky-Glasberg
Neuroendocrine Tumor Unit, Endocrinology & Metabolism Service, Department of Medicine, Hadassah-Hebrew University Medical Center, Jerusalem
- 08:54 **The Tumor Tuppessor Klotho: A Master Regulator of Metabolism in Breast Cancer**
Riva Shmulevich^{1,2}, Tammi Rubinstein^{1,2}, Tali Scherf³, Ido Wolf^{1,2}, Tami Rubinek¹
¹*Institute of Oncology, Tel Aviv Sourasky Medical Center*
²*Sackler Faculty of Medicine, Tel Aviv University*
³*Faculty of Chemistry, Weizmann Institute of Science*
- 09:07 **Estrogen Receptor Activating Mutations Confer an Aggressive Phenotype to Endocrine Resistance Breast Cancer Cells Through Alteration of Tumor Metabolism**
Lotem Shpigner^{1,2}, Keren Merenbakh-Lamin^{1,2}, Tomer Boldes^{1,2}, Metsada Pasmanik-Chor³, Tamar Rubinek¹, Ido Wolf^{1,2}
¹*Institute of Oncology, Sourasky Medical Center, Tel Aviv*
²*Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv*
³*The Bioinformatics Unit, George S. Wise Faculty of Life Sciences, Tel Aviv University, Tel Aviv,*
- 09:20 **Pegvisomant for Acromegaly: a Cohort of 36 Israeli Patients**
Ilan Shimon¹, Yona Greenman²
¹*Endocrinology, Rabin-Beilinson Medical Center, Petah Tiqva; Sackler Faculty of Medicine, Tel Aviv University*
²*Endocrinology, Tel Aviv Sourasky Medical Center; Sackler Faculty of Medicine, Tel Aviv University*

09:27 **The Role of the Nucleolar Protein PICT-1 in the Tumorigenesis of Neuroendocrine Tumors and its Interaction with the p53 Pathway**
Yifat Bareli¹, Ana Tobar², Ilan Shimon¹, Hadara Rubinfeld¹
¹*Institute of Endocrinology and Felsenstein Medical Research Center, Rabin Medical Center; Tel Aviv University, Sackler School of Medicine, Petach Tikva*
²*Department of Pathology, Rabin Medical Center, Petach Tikva*

10:00-10:15 Coffee Break, Refreshments and Exhibition Visit

10:15-11:00 Posters View **Hall D**

11:00-12:35 General Assembly and Prizes Session **Hall A**
 Chair: **Avraham Karasik**

11:00 **The Challenging Universe of Neuroendocrine Tumors: From Bench to Bedside and Back Again**
Simona Grozinsky-Glasberg – **Recipient of The Hans Lindner Prize**
Neuroendocrine Tumor Unit, Endocrinology & Metabolism Service, Department of Medicine Hadassah-Hebrew University Medical Center, Jerusalem

11:25 **When Glucose Goes Down, Mortality Goes up**
Amit Akirov - **Recipient of The Israel Chowers Prize**
Endocrinology & Metabolism Institute, Rabin Medical Center, Beilinson Hospital

11:40 **Prizes of Best Clinical / Basic Abstracts**

11:55 **IES Members Assembly Meeting:**
 Vaad Report
 Accountant Report

12:30-13:30 Lunch Break and Exhibition Visit **Dining Room**

13:30 - 14:20 Plenary Lecture 3 **Hall A**
 Chair: **Carlos Benbassat**

Autoimmune Thyroid Diseases: From Gene Mapping to Novel Drug Targets
Yaron Tomer
 Chair, Department of Medicine, Albert Einstein College of Medicine, NY, USA

14:20-15:50 Parallel Symposia		
14:20-15:50	Symposium 5: The Year in Endocrinology Chairs: Ben Glaser, Yona Greenman	Hall A
14:20	The Year in Reproduction <u>Tal Imbar</u> <i>IVF Unit, Human Placenta Research Center; Dept. of Obstetrics & Gynecology; Hadassah-Hebrew University Medical Center</i>	
14:50	The Year in Pituitary <u>Ilan Shimon</u> <i>Institute of Endocrinology and Metabolism Rabin Medical Center, Campus Beilinson</i>	
15:20	The Year in Adrenal <u>Merav Fraenkel</u> <i>Endocrine Unit Soroka Medical Center</i>	
14:20-15:50 Symposium 6: Cellular Heterogeneity		
	Chairs: Yehiel Zick, Gil Leibowitz	Hall B
14:20	Heterogeneity of Adipose Tissues and Cells - A Basis for Subphenotyping Obesity <u>Assaf Rudich</u> <i>Department of Clinical Biochemistry, Faculty of Health Sciences, Ben Gurion University</i>	
14:50	Cellular Heterogeneity in the Liver: From Single RNA Molecule Organization to Organ Function <u>Shalev Itskovitz</u> <i>Department of Molecular Cell Biology, Weizmann Institute of Science</i>	
15:20	Plasticity of the Endocrine Pancreas in Diabetes <u>Yuval Dor</u> <i>Department of Developmental Biology and Cancer Research; The Hebrew University-Hadassah Med School</i>	
15:50-16:05 Coffee Break & Exhibition Visit		
16:05-17:30 Meet the Professor 1		
	Short Stature. Does Changing Height Matter? <u>Zeev Hochberg</u>	Hall A
16:05-17:30 Meet the Professor 2		
	Fragile and Challenging Cases in the Bone Metabolism Clinic <u>Pnina Rotman</u> and <u>Iris Vered</u>	Hall B

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Posters

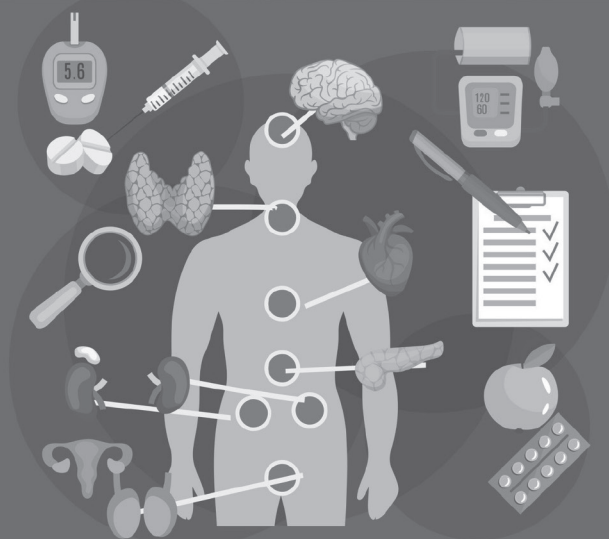
**The 46th Annual Meeting
of The Israel Endocrine Society**

20-21, March, 2017

Kfar Maccabiah Hotel

Ramat-Gan

Organized by:



Poster Group 1: Diabetes Mellitus And Obesity

- 1. Does Ketoacidosis at Onset of Type 1 Diabetes is a Predictor of Long-Term Metabolic Control?**
Shlomit Shalitin^{1,2}, Sharon Polanski², Michal Yackobovitz-Gavan^{1,2}, Yael Lebenthal^{1,2}, Liat de Vries^{1,2}, Liora Lazar^{1,2}, Ariel Tenenbaum¹, Moshe Phillip^{1,2}
¹The Jesse Z. and Lea Shafer Institute of Endocrinology and Diabetes, 1 Schneider Children's Medical Center of Israel, Petach Tikva; ²Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv
- 2. The Real-Life Appearance of Ketoacidosis in T2DM Patients Treated with SGLT2 Inhibitors**
Shmuel Levit¹, Vyacheslav Levit², Royi Barnea³, Julio Wainstein⁴, Ifat Abadi-Korek³
¹Institute of Endocrinology, Diabetes & Metabolism, Assuta Medical Center, Tel-Aviv
²Department of Disease prevention, City Clinical Hospital №8, Chelyabinsk, Chelyabinsk, Russia; ³Department of Academy and Research, Assuta Medical Center, Tel-Aviv
⁴Institute of Diabetes, Edith Wolfson Medical Center affiliated to Sackler School of Medicine Tel-Aviv University, Israel, Holon
- 3. The Incidence of Type 1 Diabetes Is Increasing faster in Familial than in Sporadic Cases. Eighteen Years of the Israeli Pediatric Diabetes Registry**
Amnon Zung¹, Wasef Na'amnih², Yulia Bluednikov², Nisim Mery², Orit Blumenfeld²
¹Pediatric Endocrinology Unit, Kaplan Medical Center and The Hebrew University of Jerusalem, Rehovot; ²Israel Centers for Disease Control, Ministry of Health, Tel Hasomer
- 4. The Relations Between Different Risk Factors for Type 2 Diabetes Mellitus and Glucose Levels in People without Diabetes in Different Sectors in the North of Israel**
Amir Bashkin^{1,2}, Ronit Yakobi³
¹Endocrinology and Diabetes, Galilee Medical Center, Naharia; ²Medical School, Bar Ilan University, Zefat; ³Orthopedic A, Galilee Medical Center, Naharia
- 5. The Effect of Admission on Glycemic Control in Elderly Patients with Diabetes Mellitus**
Orit Erman¹, Ilan Shimon^{2,3}, Tzipora Shochat⁴, Amit Akirov^{2,3}
¹Department of internal medicine A, Rabin Medical Center, Beilinson Hospital, Petach Tikva, Israel
²Institute of Endocrinology, Rabin Medical Center, Beilinson Hospital, Petach Tikva
³Sackler School of Medicine, Tel Aviv University, Tel Aviv
⁴Statistical Consulting Unit, Rabin Medical Center, Beilinson Hospital, Petach Tikva

- 6. Admission Blood Glucose and Long Term (10-year) Mortality among Patients with or without Pre-existing Diabetes Mellitus Hospitalized with Heart Failure**
Osnat Itzhaki Ben Zadok^{1,4}, Ran Kornowski^{1,4}, Ilan Goldenberg^{2,4}, Robert Klempfner^{2,4}, Yoel Toledano^{3,4}, Yitschak Biton², Alexander Tenenbaum^{2,4}, Gregory Golovchiner¹, Ehud Kadmon^{1,4}, Alexander Omelchenko¹, Tuvia Ben Gal^{1,4}, Boris Strassberg^{1,4}, Alon Barsheshe^{1,4}
¹Department of Cardiology, Rabin Medical Center; ²"Leviev" Heart Center, Sheba Medical Center, Tel Hashomer; ³Division of Maternal Fetal Medicine, Helen Schneider Hospital for Women, Rabin Medical Center; ⁴Sackler Faculty of Medicine, Tel Aviv University
- 7. The Challenge of Successful Aging with Diabetes- a Novel Clinical Approach: Integrating Cognitive & Physical Assessment into the Evaluation Process**
Tali Cukierman-Yaffe^{1,2}, Rachel Natovich¹
¹Endocrinology Institute, Sheba Medical Centre
²Epidemiology, Sackler School of Medicine, Tel-Aviv University
- 8. Do Adding B Vitamins and Folate to Metformin Treatment has Beneficial Effect on Renal Function and HDL cholesterol in Patients with type 2 Diabetes?**
Marina Shargorodsky, Elena Omelchenko
 Endocrinology, Wolfson Medical Center
- 9. Carotid IMT and Plasma Lipid Levels Among Children and Adolescents with Familial Hypercholesterolemia. A Single Center Experience 2007-2014**
 Hofit Cohen^{1,3}, Orit Pinhas-Hamiel^{2,3}, Dror Harats^{1,3}, Rafael Bitzur^{1,3},
Kineret Mazor-Aronovitch^{2,3}
¹The Bert W. Strassburger Lipid Center, The Chaim Sheba Medical Center, Ramat Gan;
²Pediatric Endocrine and Diabetes Unit, Edmond & Lilly Safra's Children Hospital, Chaim Sheba Medical Center, Ramat Gan; ³Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv
- 10. Gestational Diabetes Risk in Three Israeli Population Subgroups**
Anat Jaffe¹, Carmit Rubin², Ilia Nvokov², Shmuel Giveon³, Arnona Ziv², Ofra i Kalter-Leibovic⁴
¹Endocrinology & diabetes unit, Hill Yaffe Medical Center, Hadera; ²Information and computer unit, Gertner Institute for Epidemiology & Health Policy Research, Sheba Medical Center, Ramat Gan; ³Family practice and public health, Clalit Health services Sharon Shomron District, Tel Aviv; ⁴Unit of Cardiovascular Epidemiology, Gertner Institute for Epidemiology & Health Policy Research, Sheba Medical Center, Ramat Gan

- 11. Placental Maternal and Fetal Vascular Circulation in Healthy Non Obese and Metabolically Healthy Obese Pregnant Women. Metabolically Healthy Obese, But are They Really?**
Marina Shargorodsky, Michal Kovo, Jacob Bar
Endocrinology, Wolfson Medical Center
- 12. Does a First-Degree Family History of Diabetes Impact Placental Vascular Circulation, Inflammatory Placental Lesions, and Pregnancy Outcome?**
Marina Shargorodsky^{1,2}, Jacob Bar²
¹*Department of Endocrinology, Edith Wolfson Medical Center, Holon, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv;* ²*Department of Obstetrics & Gynecology, Edith Wolfson Medical Center*
- 13. High Serum Estradiol Defines a Sub-Phenotype of the Metabolic Syndrome (MS) in Men and May Protect from the Metabolic and Vascular Sequels of Obesity**
Yonit Marcus¹, Gabi Shefer¹, Jessica Sack¹, Brurya Tal¹, Galina Shenkerman¹, Mariana Yaron¹, Yael Sofer¹, Iris Yaish¹, Eliezer Carmeli², Naftali Stern¹
¹*Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv-Sourasky Medical Center and Sackler Faculty of Medicine, Tel Aviv;* ²*Department of Physical Therapy, University of Haifa, Haifa*
- 14. The Role of FABP4 in the Pathophysiology of Gestational Diabetes**
Moran Rathaus¹, Idit Ron¹, Benny Brandt^{2,3}, Shali Mazaki-Tovi^{2,3}, Amir Tirosh^{1,3}
¹*The Institute of Endocrinology, The Dalia and David Arabov Endocrinology and Diabetes Research Center, Tel Hashomer;* ²*Department of Obstetrics and Gynecology, Sheba Medical Center, Tel Hashomer;* ³*Sackler Faculty of Medicine, Tel Aviv University, Ramat Aviv*
- 15. The Effect of Ethnic Origin on Gestational Diabetes Mellitus in a University Affiliated Hospital in the Center of Israel**
Ronit Koren^{1,2,5}, Shlomit Koren^{3,4,5}, Yifat Wiener^{2,5}
¹*Department of Internal Medicine A;* ²*Division of Maternal Fetal Medicine, Department of Obstetrics and Gynecology;* ³*Endocrine Institute;* ⁴*Diabetes unit, Assaf Harofeh Medical Center, Zerifin;* ⁵*Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv*
- 16. Post-Bariatric Surgery Hypoglycemia: Report of a Single Center**
Viviana Ostrovsky¹, Taiba Zornitzki¹, Shimon Sapojnikov², Luydmila Lyssy³, Tal Schiller¹, Nitza Vazana¹, Hilla Knobler¹
¹*Diabetes, Endocrinology and Metabolic Disease Institute, Kaplan Medical Center, Rehovot*
²*Bariatric Surgery Unit, Kaplan Medical Center, Rehovot*
³*Diabetes and Endocrinology, Maccabi Medical Service, Rishon LeZion*

17. A New Obesity Phenotype in Older (≥ 65 yrs) Subjects: The Co-Presence of Frailty and Functional Limitations is Linked to Central Obesity

Assaf Buch^{1,2,3}, Eli Carmeli^{1,4}, Yitshal Berner^{2,5}, Liat Keinan Boker^{6,7}, Ofer Kis¹, Gabi Shefer^{1,2}, Yonit Marcus^{1,2}, Rebecca Goldsmith⁸, Yaniv Stein⁹, Lee Gold⁹, Naftali Stern^{1,2}

¹Endocrinology, Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv Sourasky Medical Center; ²Medicine, The Sackler Faculty of Medicine, Rehovot; ³Nutrition, Robert H Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, Rehovot; ⁴Physical Therapy, The Department of Physical Therapy, University of Haifa, Haifa; ⁵Gerontology, Meir Medical Center, Kfar Saba, Kfar Saba; ⁶Public Health, School of Public Health, University of Haifa, Haifa; ⁷Center for Disease Control; Center for Disease Control, Israel Ministry of Health; Nutrition Department, Nutrition Department, Israeli Ministry of Health, Jerusalem; ⁹Mathematical Sciences, Statistics & Operations Research, School of Mathematical Sciences, Statistics & Operations Research Department, Tel-Aviv University, Tel Aviv

18. Should Bariatric Surgery be offered to Obese Patients with Type 1 Diabetes?

Zohar Landau^{1,2,4}, Daniela Jakubowicz^{2,3}, Tal Ben-Ari^{1,2}, Julio Weinstein^{2,3}, Yosefa Bar-Dayan^{2,3}, Galit Kowen⁴

¹Pediatric Endocrinology, E. Wolfson Medical Center, Holon; ²Sackler School of Medicine, Tel Aviv University, Tel Aviv; ³Diabetes Unit, E. Wolfson Medical Center, Holon ⁴Maccabi National Juvenile Diabetes Center, Maccabi Health Services, Raanana

19. The Food Preservative Propionic Acid as a Diabetogenic and Obesogenic Factor

Amir Tirosh^{1,2,3,4}, Ediz S. Calay¹, Guro Tuncman¹, Kathryn C. Claiborn¹, Kosei Eguchi¹, Michael Alcalá¹, Moran Rathaus³, Kenneth Hollander³, Idit Ron³, Rajesh Garg², Gökhan S. Hotamisligil¹

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20. Gene Therapy for Diet- Induced Obesity with Platelet Type 12-Lipoxygenase Antisense: In Vitro and In Vivo Studies

Yael Sofer, Nathan Landis, Ety Osher, Judith Rondel, Gary Weisinger, Naftali Stern Endocrinology, metabolism and Hypertension, Tel Aviv-Sourasky Medical Center and Sackler Faculty of Medicine, Tel Aviv University

21. Hepatic CB1 Receptor Promotes Leptin Resistance via Regulating Soluble Leptin Receptor Levels

Adi Drori¹, Rivka Hadar¹, Daniel Wesley², Joseph Tam¹

¹Obesity and Metabolism Laboratory, Institute for Drug Research, School of Pharmacy, Faculty of Medicine, The Hebrew University of Jerusalem, Jerusalem; ²Laboratory of Physiological Studies, National Institute on Alcohol Abuse & Alcoholism, USA

22. Novel Compound Heterozygous Truncating Mutations in Phosphoglucomutase 1 Gene Causes Galactose Responsive Severe Hypoglycemic Episodes in a Patient with Pierre Robin Sequence

Adi Auerbach¹, Rebecca Brooks², Nitay D. Fraenkel³, Stanley Korman⁴, Ann Saada⁵, Ariella Weinberg Shokrun⁶, Ephrat Levy-Lahad⁶, David Zangen¹

¹*Division of Pediatric Endocrinology, Hadassah Hebrew University Medical Center, Jerusalem;* ²*Pediatric intensive care unit, Pediatric department, Mount Scopus campus, Hadassah Hebrew University Medical Center, Jerusalem;* ³*Department of Respiratory Rehabilitation, Alyn Hospital, Jerusalem;* ⁴*Metabolic Disorders, Division of Pediatrics, Shaare Zedek Medical Center, Jerusalem;* ⁵*Department of Genetic and Metabolic Diseases, Hadassah Hebrew University Medical Center, Jerusalem;* ⁶*Department of Genetics, Shaare Zedek Medical Center, Jerusalem*

23. The Role Of MiRNAs In Maintenance of Beta Cell Replication and Mass

Amitai Mandelbaum, Sharon Kredo-Russo, Haggai Kaspi, Eran Hornstein
Molecular Genetics, Weizmann Institute of Science

24. The Role of MicroRNAs In Maintenance of Pancreatic Beta-Cell Identity

Eran Yanowski, Eran Hornstein
Molecular Genetics, Weizmann Institute of Science

Poster Group 2: Thyroid

25. **Pediatric Reference Values of Thyrotropin (TSH) Should be Personalized According to Child Characteristics'**

Tal Oron^{1,2}, Ilan Feldhamer³, Mira Manor⁴, Joseph Meyerovitch^{1,2,5}

¹Institute for Endocrinology and Diabetes, National Centre for Childhood Diabetes, Schneider Children's Medical Center of Israel, Petah-Tikva; ²Sackler Faculty of Medicine, Tel Aviv University, Tel-Aviv; ³Department of Research and Information, Chief Physician Office, Clalit Health Services, Tel-Aviv, ⁴Central Laboratory, Clalit Health Services, Tel-Aviv; ⁵Chief Pediatrician, Medicine Wing, Community Division, Clalit Health Services, Tel-Aviv

26. **The Epidemiology of Thyroid Dysfunction and Effectiveness of TSH Screening in Medical Inpatient**

Amir Bashkin^{1,2}, Eliran Yakobi²

¹Endocrinology and Diabetes, Galilee Medical Center, Naharia

²Medical School, Bar Ilan University, Zefat

27. **FT3 Decreases Through Life, More in Males Than in Females; But Levels Equalize in Elderly**

David Strich^{1,2}, Gilad Karavani³, Cherut Chay⁵, David Gillis⁴

¹Pediatrics, Shaare-Zedek Medical Center

²Endocrinology, Pediatric Specialist Clinics, Clalit Health services

³Obstetrics and Gynecology, Hadassah-Hebrew University Medical Center

⁴Pediatrics and Pediatric Endocrine Unit, Hadassah-Hebrew University Medical Center

⁵School of Medicine, Technion

28. **Body Composition, Resting Energy Expenditure and Metabolic Changes in Differentiated Thyroid Carcinoma Female Patients**

Elena Izkhakov^{1,2,3}, Micha Barchana³, Nachum Vaisman^{2,4}, Naftali Stern^{1,2}, Lital Keinan-Boker^{3,5}

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29. **Thyroid Disease in Pregnancy: A Clinical Survey Among Endocrinologists Gynecologists and Obstetricians in Israel**

Ronit Koren Peleg^{1,2,5}, Yifat Wiener^{2,5}, Karen Or^{1,3,5}, Carlos A. Benbassat^{3,5}, Shlomit Koren^{3,4,5}

¹Department of Internal Medicine A; ²Division of Maternal Fetal Medicine, Department of Obstetrics and Gynecology; ³Endocrine Institute; ⁴Diabetes Unit; Assaf Harofeh Medical Center, Zerifin; ⁵Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv

- 30. Management of Relapsing Graves: A Clinical Survey Among Endocrinologists in Israel**
Shlomit Koren¹, Miriam Shteinshnaider¹, Karen Or¹, Dror Cantrell^{1,3}, Carlos A. Benbassat¹, Ronit Koren^{1,2}
¹Endocrine Institute, Assaf Harofeh Medical Center, Zerifin
²Department of Internal Medicine A,³Department of Internal Medicine C, Assaf Harofeh Medical Center, Zerifin
- 31. Plasmapheresis in Treating Severe Graves` Thyrotoxicosis: A Case Report**
Anat Jaffe¹, Hannah Kanety², Rina Hemi², Ehud Barhod², Hagith Yonath³, Amir Tirosh⁴
¹Endocrinology & diabetes unit, Hill Yaffe Medical Center, Hadera; ²The Endocrinology Laboratory;³Internal Medicine A,⁴The Institute of Endocrinology, Sheba Medical Center, Ramat Gan
- 32. Approach to a Monofocal Papillary Thyroid Cancer: A Clinical Survey Among Adult Endocrinologists and Surgeons in Israel**
Carlos Benbassat^{1,3}, Karen Or¹, Shlomit Koren^{1,3}, Miriam Steinschneider^{1,3}, Esther Kummer¹, Ronit Koren^{1,3}, Limor Muallem Kalmovich^{2,3}
¹Endocrine Institute, Assaf Harofeh Medical Center, Zerifin; ²ENT Department, Assaf Harofeh Medical Center, Zerifin; ³Sackler School of Medicine, Tel Aviv University, Tel Aviv
- 33. The Bethesda System for Reporting Thyroid Cytopathology (BSRTC) at a Tertiary Center in a Country with High Rates of Thyroid Cancer**
 Rachel Rosenblum¹, Iris Yaish², Sophie Barnes³, Sylvia Marmor⁴, Alexander Shtabsky⁴, Moshe Yehuda⁵, Naftali Stern², Karen Tordjman²
¹Medicine, Clalit Health Services;²Institute of Endocrinology, Tel Aviv Sourasky Medical Center, Tel Aviv; ³Radiology Department, Tel Aviv Sourasky Medical Center, Tel Aviv; ⁴Institute of Pathology, Tel Aviv Sourasky Medical Center, Tel Aviv; ⁵Ear Nose and Throat Department, Tel Aviv Sourasky Medical Center, Tel Aviv
- 34. Trends of Second Primary Malignancy in Patients with Thyroid Cancer: A Population-Based Cohort Study in Israel**
Elena Izkhakov^{1,2}, Micha Barchana², Irena Liphshitz³, Barbara Silverman³, Naftali Stern¹, Lital Keinan-Boker^{2,3}
¹Institute of Endocrinology, Metabolosim and Hypertension, Tel Aviv Sourasky Medical Center affiliated to the Tel Aviv University, Tel Aviv; ²School of Public Health, Faculty of Social Welfare and Health Sciences, University of Haifa, Haifa; ³Israel National Cancer Registry, Israel Center for Disease Control, Ministry of Health, Ramat Gan,
- 35. The Impact of Minimal Extra-Thyroidal Extension on Outcome in Differentiated Thyroid Cancer: Systematic Review and Meta-analysis**
Talia Diker-Cohen^{1,3}, Dania Hirsch^{1,3}, Carlos Benbassat^{2,3}, Ilan Shimon^{1,3}, Amit Akirov^{1,3}, Eyal Robenshtok^{1,3}
¹Endocrinology & Metabolism Institute, Rabin Medical Center, Beilinson Hospital; ²Endocrine Institute, Assaf Harofeh Medical Center; ³Sackler Faculty of Medicine, Tel-Aviv University

36. Be Aware of the Patient with Thyroid Benign Follicular Lesions and a Rising Thyroglobulin Level

Ilana Slutzky-Shraga^{1,4}, Yulia Sternov^{1,2,4}, Eyal Robinshtock^{1,4}, Gloria Tzvetov^{1,4}, Carlos Benbassat^{3,4}, Dania Hirsch^{1,4}

¹Endocrine Institute; ²Department of Pathology, Rabin Medical Center, Petach Tikva

³Endocrine Institute, Assaf Harofeh Medical Center, Zerifin

⁴Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv

37. The Impact of Age and Gender on Medullary Thyroid Cancer Presentation and Prognosis -An Israeli Multicenter Study

Orit Twito¹, Simona Grozinsky-Glasberg², Carlos Benbassat^{3,7}, Sigal Levy⁴,

David J. Gross², Gideon Bachar^{5,7}, Dania Hirsch^{6,7}

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³Institute of Endocrinology, Assaf Harofeh Medical Center, Zerifin; ⁴Tel-Aviv Yaffo,

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Rabin Medical Center, Petach-Tikva; ⁷Sackler Faculty of Medicine, Tel-Aviv University,

Tel-Aviv

38. The Role of Hepatic Trans-Arterial Chemoembolization in Metastatic Medullary Thyroid Carcinoma: A Specialist Center Experience and Review of the Literature

Simona Grozinsky-Glasberg¹, Allan I. Bloom², Naama Lev-Cohain², Hashem Besiso¹,

Alexander Klimov A², David J. Gross¹

¹Neuroendocrine Tumor Unit, Endocrinology & Metabolism Service, Department of Medicine, Hadassah-Hebrew Medical Center, Jerusalem; ²Department of Radiology,

Hadassah-Hebrew Medical Center, Jerusalem

Poster Group 3: Bone and Calcium Metabolism

- 39. Severe Hypocalcaemia due to Autoimmune Enteropathy in a Girl with Autoimmune Polyglandular Syndrome Type 1**
Marie Noufi-Barhoum^{1,3,7}, Sarit Peleg², Philippe Trougouboff⁴, Ronen Spiegel^{5,6}, Yardena Tenenbaum-Rakover^{1,6}
¹*Pediatric Endocrine Institute, Ha'Emek Medical Center, Afula*; ²*Pediatric Gastroenterology Unit, Ha'Emek Medical Center, Afula*; ³*Clalit Health Service Haifa and Western Galilee district, Nahariya*; ⁴*Pathology Department, Ha'Emek Medical Center, Afula* ⁵*Pediatric Department B, Ha'Emek Medical Center, Afula*; ⁶*Rappaport Faculty of Medicine, Technion, Haifa*; ⁷*Faculty of Medicine in the Galilee, Bar-Ilan University, Safed*
- 40. Three Generations of an Israeli Family Diagnosed with Autosomal Dominant Activating Mutation of the Calcium Sensing Receptor (CaSR) Gene**
Ilana Koren¹, Amir Peleg², Lena Sagi-Dain², Amalia Harari-Shaham², Gal Larom-Kahan², Auryan Szalat³
¹*Pediatric Endocrinology Clinic*; ²*The Human Genetic Institute, Carmel Medical Center, Haifa*; ³*Endocrinology and metabolism Service Internal Medicine Department, Hadassah Hebrew University Medical Center, Jerusalem*
- 41. Elevated Ferritin and Circulating Osteoprotegerin Levels as Independent Predictors of Hip Fracture in Postmenopausal Women Admitted for Fragility Fracture**
Marina Shargorodsky², Zeev Feldbrin¹
¹*Orthopedics, Wolfson Medical Center*; ²*Endocrinology, Wolfson Medical center*
- 42. Bone Mineral Density in Hospital Male Physicians Over the Age of 65**
Noa Sylvetsky, Chen Futeran, Meir Frankel, Gabriel Munter
Endocrinology unit,, Shaare zedek Medical Center, Jerusalem
- 43. Hypercalcemia of Pregnancy**
Ronit Koren^{1,2,5}, Ortal Neeman^{2,5}, Shlomit Koren^{3,4,5}, Carlos A. Benbassat^{3,5}
¹*Department of Internal Medicine A*; ²*Division of Maternal Fetal Medicine, Department of Obstetrics and Gynecology*; ³*Endocrine Institute*; ⁴*Diabetes unit, Assaf Harofeh Medical Center, Zerifin* ; ⁵*Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv*
- 44. Successful Short-Term Growth Hormone Treatment for a Rare Bone Dysplasia**
Tal Ben-ari Sekel^{1,2}, Zohar Landau^{1,2}
¹*Pediatric Endocrinology and Diabetes Unit, Edith Wolfson Medical Center, Holon, Israel*
²*Sackler Faculty of Medicine, Tel Aviv University, Tel-Aviv*
- 45. Tertiary Center Experience with Fibrous Dysplasia Patients: Clinical Variables and Medical Treatment**
Liana Tripto Shkolnik, Iris Vered
Institute of Endocrinology, Chaim Sheba Medical Center, Tel-Hashomer

- 46. Long-Term Efficacy of Zoledronic Acid in Patients with Paget's Disease of Bone with Respect to Previous Bisphosphonate Treatment**
Alexander Gorshtein^{1,2}, Ilana Slutzky-Shraga^{1,2}, Gloria Tsvetov^{1,2}, Dania Hirsch^{1,2}
¹*Institute of Endocrinology, Rabin Medical Center, Beilinson Hospital, Petach Tikva*
²*Sackler Faculty of Medicine, Tel Aviv University*
- 47. Trabecular Bone Score Uncovers Osteopenia and Osteoporosis in a Large Fraction of Patients with the Metabolic Syndrome**
Vanessa Rouach¹, Yonit Marcus¹, Mariana Yaron¹, Jessica Zack¹, Galina Shenkerman¹, Gabi Sheffer¹, Yael Sofer¹, Eliezer Carmeli², Naftali Stern¹
¹*Institute of Hypertension, Metabolism and Endocrinology, Tel Aviv Sourasky Medical Center and Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv*
²*Department of Physical Therapy, University of Haifa, Haifa*
- 48. Vertebral Fractures in Israeli Patients Following Denosumab Discontinuation**
 Liana Tripto-Shkolnik¹, Vanessa Rouach², Yonit Marcus², Carlos Benbassat³, Iris Vered¹
¹*Institute of Endocrinology, The Chaim Sheba Medical Center, Tel Hashomer*
²*Institute of Endocrinology, Metabolism and Hypertension, Tel Aviv-Sourasky Medical Center*²; ³*Institute of Endocrinology, Assaf Harofeh Medical Center*³
- 49. Correlation of Distal Radius Bone Density with Fracture Risk Determined by WHO Fracture Risk Assessment Model (FRAX)**
 Liana Tripto-Shkolnik¹, Naama Peltz-Sinvani², Amir Tirosh¹, Iris Vered¹
¹*Institute of Endocrinology, The Chaim Sheba Medical Center, Tel-Hashomer*
²*Internal medicine "I", The Chaim Sheba Medical Center, Tel-Hashomer*
- 50. Fracture Risk Assessment with FRAX: Validation using Real-World Data**
Inbal Goldshtein^{1,2}, Yariv Gerber³, Sophia Ish-Shalom⁴, Moshe Leshno³
¹*Faculty of Management, Tel Aviv University, Tel Aviv*; ²*Research, Maccabi Healthcare Services*; ³*Faculty of Medicine, Tel Aviv University*; ⁴*Endocrinology, Elisha Hospital*
- 51. Soroka Fracture Liaison Service (FLS) – Rates of Mortality and Second Hip Fracture**
 Vitaly Medvedovsky¹, Uri Yoel¹, Lior Baraf¹, Dayana Cohen¹, Tamar Eshkoli¹, Avital Blum², Vera Polischuk³, Poliana Shamgar², Michal Lamberger², Orly Weinstein⁴, Dvora Lieberman⁵, Victor Novack², Ethel Siris⁶, Merav Fraenkel¹
¹*Endocrinology*, ²*Clinical Research Center*, ³*Internal Medicine*, ⁴*Soroka Management*, ⁵*Geriatrics, Soroka University Medical Center and the Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer Sheva* ⁶*Endocrinology, Columbia University Medical Center, New-York, USA*

52. Patients Knowledge and Opinions Regarding Osteoporosis, Osteoporotic Treatment and Oral Health

Pnina Rotman-Pikielny^{1,4}, Marina Leonenko^{2,4}, Liat Barzilai^{1,4}, Dan Nabriski^{1,4}, Orit Twito^{1,4}, Ronit Kagan^{3,4}

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53. Virtual Orthopedic-Rehabilitation-Metabolic Collaborative Management for Osteoporotic Hip Fracture

Osnat Tell Lebanon^{1,7}, Doron Netzer^{5,7}, Eyal Yaacobi^{2,7}, Yitshal Berner^{3,7}, Devorah Spiegel⁴, Rakefet Bacharach⁶, Dan Nabriski^{1,7}, Meir Nyska^{2,7}, Yaron Brin^{2,7}, Pnina Rotman-Pikielny^{1,7}

¹Endocrine Institute, ²Department of Orthopedics, ³Department of Geriatrics, Meir Medical Center, Kfar Saba; ⁴Rehabilitation and Geriatrics, "Dorot" Medical Center, Netanya ⁵Department of Medical Management, Meir Medical Center, Kfar Saba; ⁶Department of Medical Management, Clalit health services, Netanya; ⁷Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv

54. The Use of Clinical Data Repository for the Establishment of an Osteoporosis Registry: Epidemiologic Findings

Inbal Goldshtein^{1,2}, Vanessa Rouach^{3,6}, Gabriel Chodick^{1,3,,}, Moshe Ekshtein⁴, Yosef Rosenblum^{2,5}, Varda Shalev^{1,3}

¹Research, Maccabi Healthcare Services; ²Medical Informatics, Maccabi Healthcare Services; ³Faculty of Medicine, Tel Aviv University; ⁴Information technology, Assuta Medical Hospitals; ⁵Medical Informatics, Maccabi Healthcare Services; ⁶Endocrinology, Ichilov Hospital

54 A. Fever and Hypocalcemia following in Hospital Osteoporosis Treatments: The Soroka FLS Experience

Lior Baraf¹, Uri Yoel¹, Vitaly Medvedovsky¹, Dayana Cohen¹, Tamar Eshkoli¹, Avital Blum², Vera Polischuk³, Poliana Shamgar², Michal Lamberger²,

Orly Weinstein⁴, Dvora Lieberman⁵, Victor Novack², Ethel Siris⁶, Merav Fraenkel¹
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²Clinical Research Center, Soroka University Medical Center and the Faculty of Health Sciences, Ben-Gurion University of the Negev

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⁴Soroka Management, Soroka University Medical Center and the Faculty of Health Sciences, Ben-Gurion University of the Negev

⁵Geriatrics, Soroka University Medical Center and the Faculty of Health Sciences, Ben-Gurion University of the Negev

⁶Endocrinology, Columbia University Medical Center, USA

Poster Group 4: Neuroendocrinology and Adrenal

55. Resistant Prolactinomas: A Cohort of 17 Israeli Patients

Merav Fraenkel¹, Dayana Cohen¹, Uri Yoel¹, Tamar Eshkoli¹, Gloria Tsvetov², Alex Gorshtein², Ilan Shimon²

¹Endocrinology, Soroka University Medical Center and the Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer Sheva; ²Endocrinology, Rabin-Beilinson Medical Center and Sackler Faculty of Medicine, Tel-Aviv University, Petah-Tiqva.

56. The Importance of Cannulated Prolactin Testing as Part of the Investigation of Hyperprolactinemia

Anat Tsur¹, Elchanan Dreyfuss², Rosani Ness Abramof³

¹Endocrinology, Clalit Health Services. Affiliated to Hadassah medical school, Jerusalem

²Student, Hadassah Medical School, Jerusalem

³Endocrinology, Clalit Health Services. Affiliated to Tel Aviv medical school, Tel Aviv

57. Preparation, Characterization and *In Vitro* Evaluation of Non-Pegylated and Pegylated Chicken and Human Prolactins

Ewa Oclon^{1,2}, Gili Solomon¹, Arieh Gertler¹

¹Institute of Biochemistry, Food Science and Nutrition, The Hebrew University of Jerusalem, Faculty of Agriculture, Food and Environment, Rehovot;

²Animal Physiology and Endocrinology, The University of Agriculture in Krakow, Krakow, Poland, Krakow, Poland

58. Somatostatin Receptors in Pancreatic Adenocarcinoma: A Novel Therapeutic Target

Arkadi Hesin^{1,2}, Tami Rubinek^{1,2}, Mor Oron-Herman³, Genady Kostenich³, Iris Barshak⁴, Arie Orenshtein³, Ido Wolf^{1,2}

¹Institute of Oncology, Tel Aviv Sourasky Medical Center;

²Sackler Faculty of Medicine, Tel Aviv University; ³Advanced Technology Center, Sheba Medical Center; ⁴Institute of Pathology, Sheba Medical Center

59. Unique Case of Familial Pheochromocytoma Presenting with Severe End Organ Damage

Lior Baraf¹, Merav Frenkel¹, Uri Yoel¹, Vitaly Medvedovsky¹, Dayana Choen¹, Tamar Eshkoli¹, Talya volak²

¹Endocrinology, Soroka medical center; ²Hypertension service, Soroka Medical Center

60. Pheochromocytoma-Paraganglioma (PPGL): Post-Operative Hypotension is a Vanishing Phenomenon

Esther Osher^{1,5}, Karen Tordjman^{1,5}, Joseph Klausner^{2,5}, Ido Nachmany², Boaz Sagie², Yona Greenman^{1,5}, Yael Sofer^{1,5}, Naomi Even Zohar¹, Michal Yaacobi-Bach¹, Danna Zeid¹, Merav Serebro¹, Nir Lubezky², Ravit Geva^{3,5}, Sophi Barnes⁴, Naftali Stern^{1,5}

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³Department of Oncology, ⁴Department of Radiology, Tel Aviv Sourasky Medical Center, Tel-Aviv; ⁵Sackler Faculty of Medicine, Tel Aviv University, Tel-Aviv

- 61. A Single Center Experience Treating Neuroendocrine Tumors during 2005-2015: The lung NET Subfamily, Clinico-Pathological Characteristics and Disease Outcome**
 Gratiana Herman¹, Karen Or², Shlomit Koren^{2,4}, Miriam Steinschneider^{2,4}, Nirit Yarom^{3,4}, Carlos Benbassat^{2,4}
¹Pathology, Assaf Harofeh Medical Center, Zerifin; ²Endocrine Institute, Assaf Harofeh Medical Center; ³Oncology, Assaf Harofeh Medical Center; ⁴Sackler School of Medicine, Tel Aviv University, Tel Aviv
- 62. Gastroenteropancreatic Neuroendocrine Tumors (GEP-NETs): Clinico-Pathological Characteristics and Disease Outcome of 110 Patients Treated at Single Referral Medical Center in Israel**
 Herman Gratiana^{5,6}, Karen Or¹, Steinschneider Miri^{1,6}, Kummer Esti¹, Yarom Nirit², Shirin Haim^{3,6}, Lavy Ron⁴, Benbassat Carlos^{1,6}, Shlomit Koren¹
¹Endocrine Institute, ²Oncology, ³Gastroenterology, ⁴Surgery, ⁵Pathology, Assaf Harofeh Medical Center; ⁶Sackler School of Medicine, Tel Aviv University
- 63. Central Diabetes Insipidus as Early Presentation of Erdheim-Chester Disease**
Elena Chertok Shacham, Avraham Ishay
 Endocrinology, Ha-Emek Medical Center
- 64. Clinical Experience with Adrenal Venous Sampling in Differentiating Unilateral vs. Bilateral Primary Aldosteronism**
Kira Oleinikov¹, Leonard Saiegh¹, Carmela Shechner¹, Mohammad Sheikh-Ahmad¹, Maria Reut¹, Monica Laniado², Ibrahim Matter², Robert Sachner³
¹Endocrinology Department; ²Surgery Department; ³Department of Radiology, Bnai Zion Medical Center, Haifa
- 65. Ascorbic Acid Treatment for Patients with Combined Mineralocorticoid and Glucocorticoid Deficiency Secondary to Nicotinamide Nucleotide Transhydrogenase Mutation**
 Adi Auerbach¹, Ariella Weinberg Shokrun², Ephrat Levy-Lahad², David Zangen¹
¹Division of Pediatric Endocrinology, Hadassah Hebrew University, Jerusalem
²Department of Genetics, Shaare Zedek Medical Center, Jerusalem
- 66. Characterization of Orthopedia-Expressing Neurons in the Arcuate Nucleus**
 Tali Nahum^{1,2}, Assaf Ramot^{1,2}, Yael Kuperman³, Gil Levkowitz⁴, Alon Chen^{1,2}
¹Neurobiology, Department of Neurobiology, The Ruhman Family Laboratory for Research on the Neurobiology of Stress, Weizmann Institute of Science, Rehovot;
²Stress Neurobiology and Neurogenetics, Department of Stress Neurobiology and Neurogenetics, Max Planck Institute of Psychiatry, Munich, Germany; ³Veterinary Resources,

Poster Group 5: Reproduction and Development

- 67. Role of Micro-RNAs in Thrombospondin-1 Expression in Bovine Luteal Cells**
Svetlana Farberov, Rina Meidan
Department of Animal Sciences, The Robert H. Smith Faculty of Agriculture, Food & Environment, The Hebrew University of Jerusalem, Rehovot
- 68. Interferon Tau Inhibits Luteolytic Responsive Genes In Bovine Corpus Luteum**
Raghavendra Basavaraja, Rina Meidan
Department of Animal Sciences, The Robert H. Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, Rehovot; Department of Veterinary Resources, Weizmann Institute of Science, Rehovot; ⁴Molecular Cell Biology, Department of Molecular Cell Biology, Weizmann Institute of Science, Rehovot
- 69. Differential Roles of PKC Isoforms (PKCs) and Ca²⁺ in GnRH and Phorbol 12-myristate 13-acetate (PMA) Stimulation of p38MAPK Phosphorylation in Immortalized Gonadotrope Cells**
Shany Mugami, Zvi Naor
Biochemistry and Molecular Biology, Tel Aviv University
- 70. GnRH induces ERK-dependent bleb formation in gonadotrope cells, Involving Recruitment of Members of a GnRH Receptor-Associated Signalosome to the Blebs**
Liat Rahamim-Ben Navi, Zvi Naor
Biochemistry and Molecular Biology, Tel Aviv University, Tel Aviv
- 71. Familial 46XY Sex Reversal Caused by a Deletion of an Enhancer Upstream of the SOX9 Gene**
Abdulsalam Abu-Libdeh¹, Ariela Weinberg-Shukron², Efrat Levy-Lahad², Sharon Zeligson², David Zangen¹
¹*Pediatrics, Division of Pediatric Endocrinology, Hadassah Hebrew University Medical Center, Jerusalem;* ²*Medical Genetics Institute, Shaare Zedek Medical Center, Jerusalem*
- 72. Long-Term Anthropometric Outcome of Girls with Non-Classical Congenital Adrenal Hyperplasia Diagnosed In Childhood**
Rachel Bello¹, Yael Leberthal^{1,2}, Ariel Tenenbaum^{1,2}, Liora Lazar^{1,2}, Shlomit Shalitin^{1,2}, Moshe Phillip^{1,2}, Liat de Vries^{1,2}
¹*The Jesse Z and Sara Lea Shafer Institute for Endocrinology and Diabetes, Schneider Children's Medical Center of Israel, Petah Tikva;* ²*Tel Aviv University, Sackler Faculty of Medicine, Tel Aviv*
- 73. Pediatric to Adult Transition Clinic in Endocrinology: Clinical Importance, Adherence to Follow-Up and Patient Satisfaction**
Orit Twito¹, Rachel Shatzman-Steuermen², Nitzan Dror², Dan Nabriski¹, Alon Eliakim^{2,3}
¹*Endocrinology, Diabetes and Metabolism Institute, Meir Medical Center, Kfar-Saba* ²*Pediatric Endocrinology Unit, Meir Medical Center, Kfar-Saba* ³*Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv*

74. Effects of a Stressful Environment (SE) on Height, BMI and Menarche

Alina German¹, Gustavo Mesch², Michael Shmoish³, Ze'ev Hochberg⁴

¹*Pediatric, Bnei Zion Medical Center, Haifa;*

²*Department of Sociology & Anthropology, University of Haifa, Haifa;*

³*The Lorry I. Lokey Interdisciplinary Center for Life Sciences and Engineering, Technion – Israel Institute of Technology, Haifa;* ⁴*Rappaport Family Faculty of Medicine, Technion – Israel Institute of Technology, Haifa*

